



*Kendall Optometry Ministry, Inc.*



# Glasses Inventory Update

## Version 7.5-3

## Operational Summary.

By

Holland Kendall

Last Revised: 5-5-2014

---

## 1.0 Introduction.

The Glasses Inventory Program Version 7.5-2 revision was written to enhance the wizard so that it would direct the operator as to the proper steps to take to get the most valid glasses matches for the patient. This document shows 4 examples of where the Wizard is needed to get a match.

Many patients will not require the use of the Wizard for the program to produce a list of glasses which match their prescription. However; for those patients whose prescription requires use of the Wizard, the best matches are made only when the operator uses the Wizard skillfully.

Conditions requiring the use of the Wizard are 1) high astigmatism<sup>1</sup> on one eye and not the other, 2) extreme nearsighted<sup>2</sup>, 3) extreme farsighted<sup>3</sup>, 4) blind in one eye, 5) near sighted in one eye and far sighted in the other, 6) high astigmatism in both eyes, and many other conditions which are rare and make it more difficult to find a match.

The examples in section 2 show how to use the Wizard properly.

Version 7.5-3 was created to allow teams who spend most of their time in the hospital with 1000s of pairs of glasses but want to travel in outlying areas with a smaller number of glasses. This enhancement documented in section 3 allows the glasses inventory program to load and manage only the first portion of the larger inventory file.

## 2.0 Examples of the use of the wizard.

The following 4 pages show examples of the use of the enhanced features of the wizard.

---

<sup>1</sup> Cylinder is high.

<sup>2</sup> Sphere is a large minus number.

<sup>3</sup> Sphere is a large plus number.

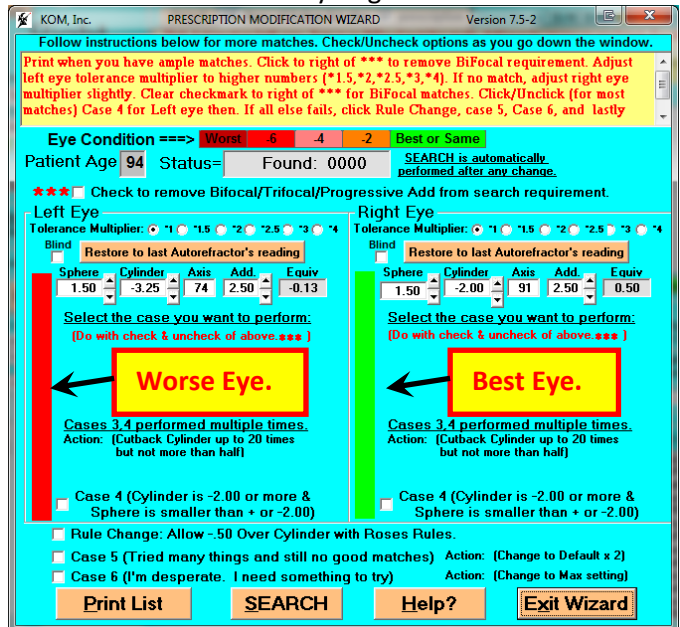
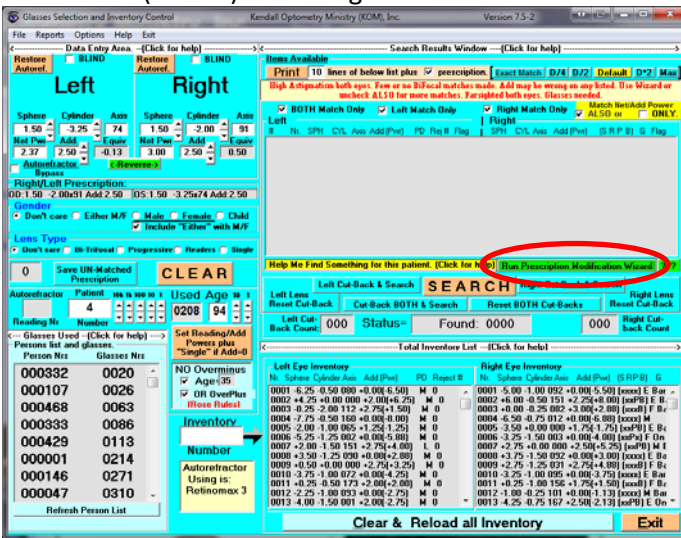
# Glasses Inventory Update Version 7.5-2 Operational Summary.

## Example 1 (High Astigmatism both eyes)

3-22-2014

Measure the eyes and get the below... No match. Green button (circled) is flashing. Click to start Wizard.

Read the instructions at the top of the wizard window and follow them exactly to get more valid matches.



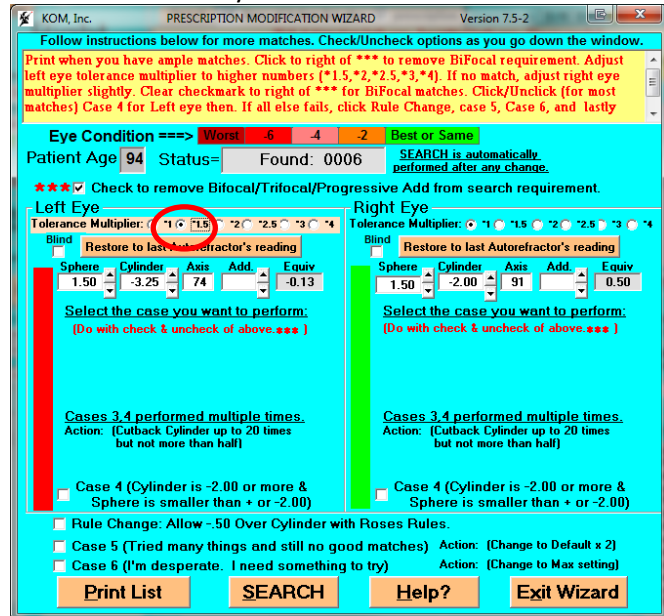
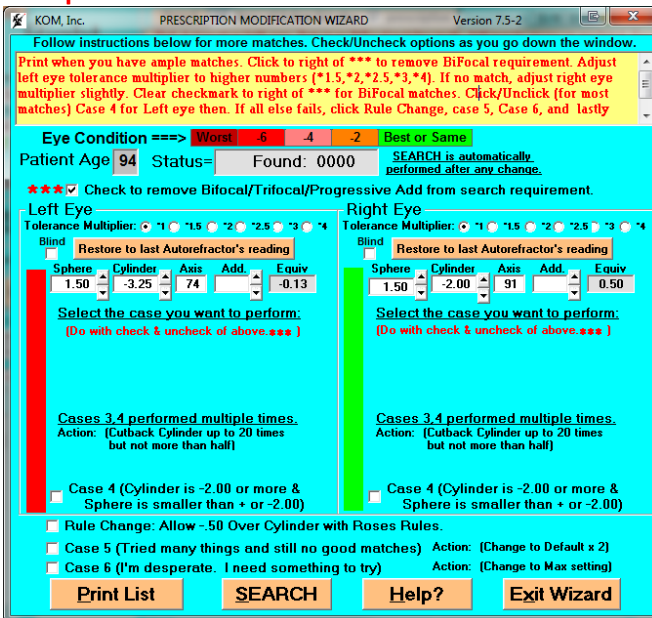
In this example the worst eye has the red bar and the best eye has the green bar. You adjust the tolerance multiplier on the worst eye.

Here is what the instructions look like:

**Print when you have ample matches. Click to right of \*\*\* to remove BiFocal requirement. Adjust left eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4). If no match, adjust right eye multiplier slightly. Clear checkmark to right of \*\*\* for BiFocal matches. Click/Uncheck (for most matches) Case 4 for Left eye then. If all else fails, click Rule Change, case 5, Case 6, and lastly click any cases 1-4 showing for good eye.**

First you do: **Click to right of \*\*\* to remove BiFocal requirement** and it is still the same. No matches.

Next you do: **Adjust left eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4)** and there are 6 matches when you select \*1.5 as shown below.



Here are the list of matches from the main window.

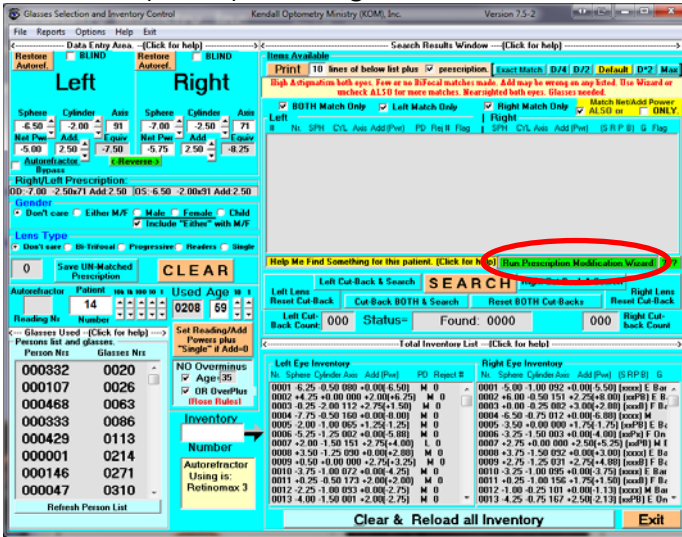
High Astigmatism both eyes. Farsighted both eyes. Glasses needed.

Left		Right		Match Net/Add Power	
Both Match Only	Left Match Only	Right Match Only	Match Net/Add Power	ALSO or	ONLY
#	Nr. SPH CYL Axis Add(Pwr)	SPH CYL Axis Add(Pwr)	(S R P B)	G	Flag
2.1	1327 1.25 -1.75 076 3.00(3.38)	M 0 -Match	1.50 -1.50 097 3.00(3.75)	(xxxB)	E -Match
2.8	4093 0.75 -1.75 078 1.25(1.13)	M 0 -Match	1.25 -1.50 094 1.50(2.00)	(xxPB)	F -Match
4.1	2788 1.25 -1.75 085 3.00(3.38)	M 0 -Match	1.00 -1.25 100 3.00(3.38)	(xxxB)	F -Match
4.1	4248 1.50 -1.75 064 2.75(3.38)	M 0 -Match	0.75 -1.50 105 2.75(2.75)	(xxxB)	E -Match
5.5	5598 0.75 -1.75 090 3.00(2.88)	M 0 -Match	0.50 -1.25 087 2.75(2.63)	(xxxB)	E -Match
6.1	0555 0.75 -1.75 093 2.75(2.63)	M 0 -Match	0.50 -1.50 079 2.50(2.25)	(xxxB)	F -Match

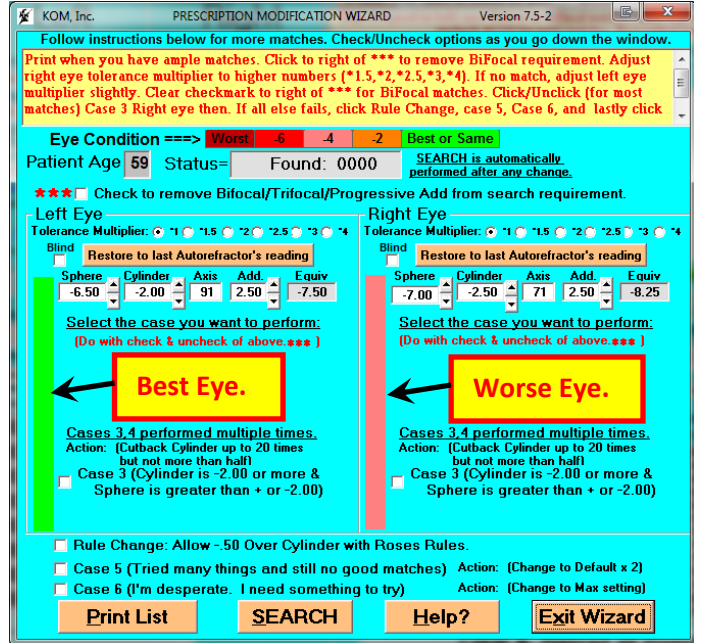
Print out these matches, hand the list to the glasses fitters and then go on to the next patient.

**Example 2. (Moderate near sighted & Astigmatism) 3-22-2014**

Measure the eyes and get the below... No match. Green button (circled) is flashing. Click to start Wizard.



Read the instructions at the top of the wizard window and follow them exactly to get more valid matches.

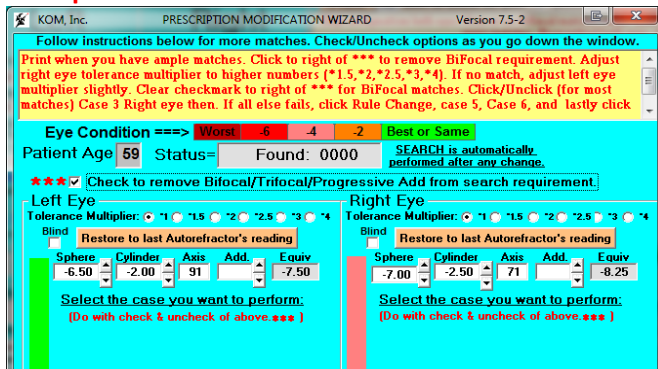


In this example the worst eye has the pink bar and the best eye has the green bar. You adjust the tolerance multiplier on the worst eye.

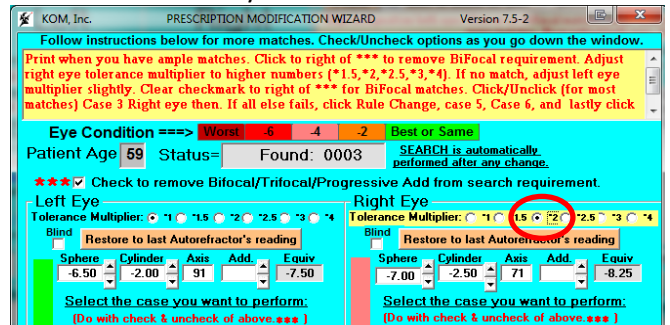
Here is what the instructions look like:

**Print when you have ample matches. Click to right of \*\*\* to remove BiFocal requirement. Adjust right eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4). If no match, adjust left eye multiplier slightly. Clear checkmark to right of \*\*\* for BiFocal matches. Click/Uncheck (for most matches) Case 3 Right eye then. If all else fails, click Rule Change, case 5, Case 6, and lastly click any cases 1-4 showing for good eye.**

First you do: **Click to right of \*\*\* to remove BiFocal requirement** and it is still the same. No matches.

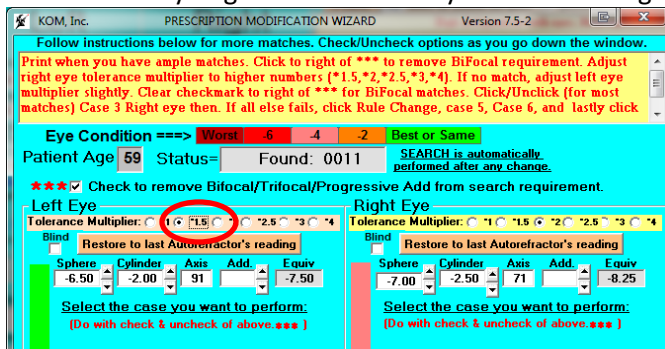


Next you do: **Adjust right eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4)** and there are 3 matches when you select \*2 as shown below.



Next do: **If no match, adjust left eye multiplier slightly** click \*1.5 and you get 11 matches as you see to the right.

Exit wizard to view 11 matches showing on main screen.



High Astigmatism both eyes. Nearsighted both eyes. Glasses needed.

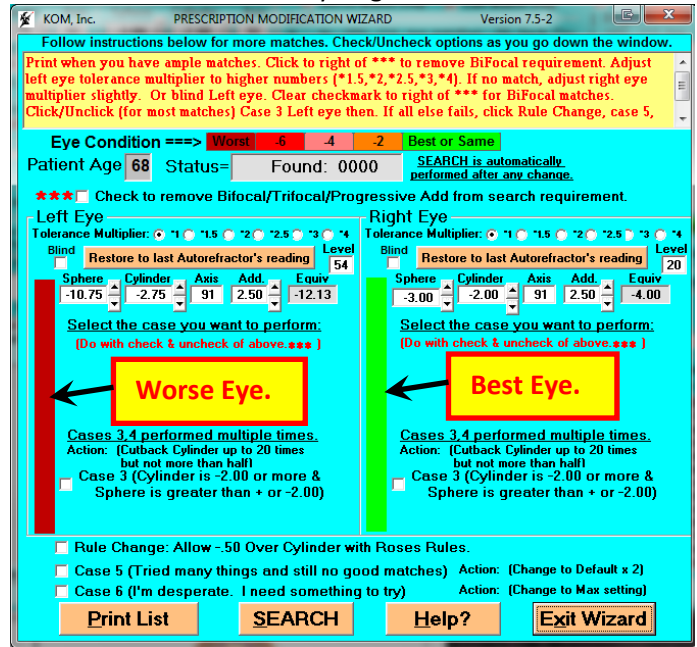
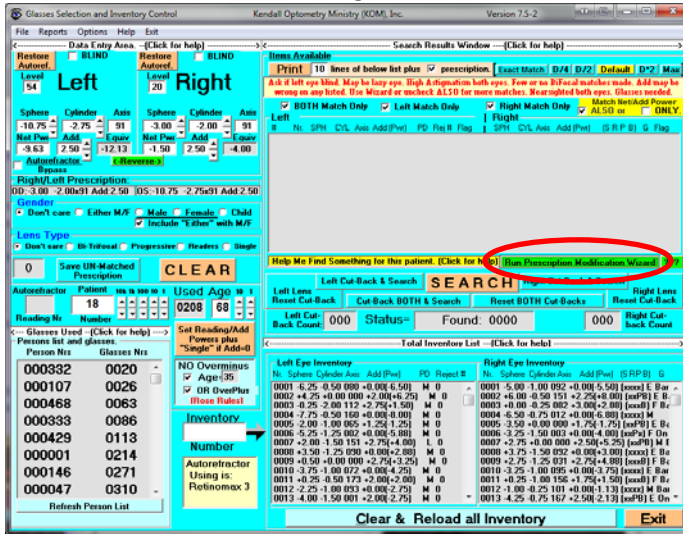
Left		Right										
#	Nr.	SPH	CYL	Axis	Add (Pwr)	SPH	CYL	Axis	Add (Pwr)	(S R P B)	G	Flag
3.6	4366	-6.25	-0.50	090	0.00(-6.50)	M	0	-Match	-5.25 -0.50 072 0.00(-5.50)	(xxxx)	M	-Matc
3.8	1716	-5.75	-0.75	101	0.00(-6.13)	L	0	-Match	-5.75 -0.75 073 0.00(-6.13)	(xxxx)	M	-Matc
4.0	0837	-6.25	-1.75	111	1.75(-5.38)	M	0	-Match	-6.50 -1.75 047 1.75(-5.63)	(xxxB)	C	-Matc
4.0	5672	-6.00	-0.75	079	0.00(-6.38)	M	0	-Match	-6.50 -0.75 061 0.00(-6.88)	(xxxx)	F	-Matc
4.0	6295	-6.00	-1.00	103	0.00(-6.50)	M	0	-Match	-5.25 -1.00 068 0.00(-5.75)	(xxxx)	E	-Matc
4.3	3298	-6.00	-1.50	083	0.00(-6.75)	L	0	-Match	-5.75 -1.00 089 0.00(-6.25)	(xxxx)	E	-Matc
4.6	5808	-6.00	-1.25	090	0.00(-6.63)	M	0	-Match	-6.00 -1.25 100 0.00(-6.63)	(xxxx)	E	-Matc
5.5	0036	-6.50	-0.50	073	2.25(-4.50)	M	0	-Match	-6.25 -1.00 100 1.75(-5.00)	(xxxB)	F	-Matc
5.6	0001	-6.25	-0.50	080	0.00(-6.50)	M	0	-Match	-5.00 -1.00 092 0.00(-5.50)	(xxxx)	E	-Matc
5.6	6869	-6.25	-0.75	103	2.25(-4.38)	M	0	-Match	-5.75 -1.25 101 2.00(-4.38)	(xxPB)	F	-Matc
6.9	3417	-5.25	-0.75	113	0.75(-4.88)	M	0	-Match	-6.00 -0.50 100 1.25(-5.00)	(xxxB)	E	-Matc

Print out these matches, hand the list to the glasses fitters and then go on to the next patient.

**Example 3. (Blind in one eye) 3-22-2014**

Measure the eyes and get the below... No match. Green button (circled) is flashing. Click to start Wizard.

Read the instructions at the top of the wizard window and follow them exactly to get more valid matches.



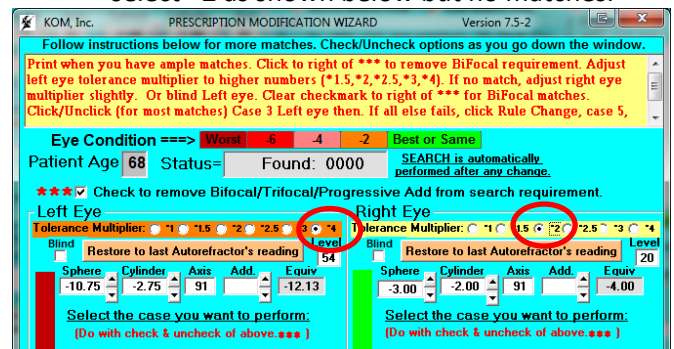
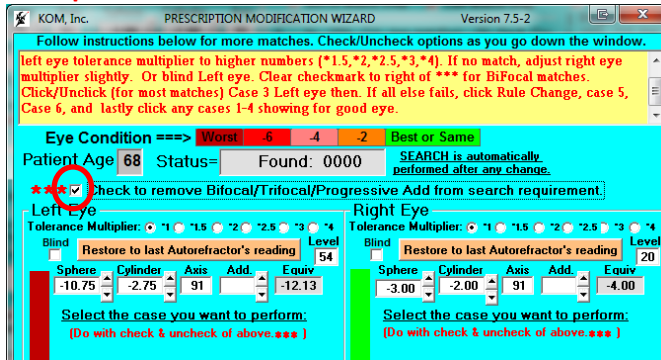
In this example the worst eye has the red bar and the best eye has the green bar. The worst eye is likely blind. You adjust the tolerance multiplier on the worst eye.

Here is what the instructions look like:

**Print when you have ample matches. Click to right of \*\*\* to remove BiFocal requirement. Adjust left eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4). If no match, adjust right eye multiplier slightly. Or blind Left eye. Clear checkmark to right of \*\*\* for BiFocal matches. Click/Uncheck (for most matches) Case 3 Left eye then. If all else fails, click Rule Change, case 5, Case 6, and lastly click any cases 1-4 showing for good eye.**

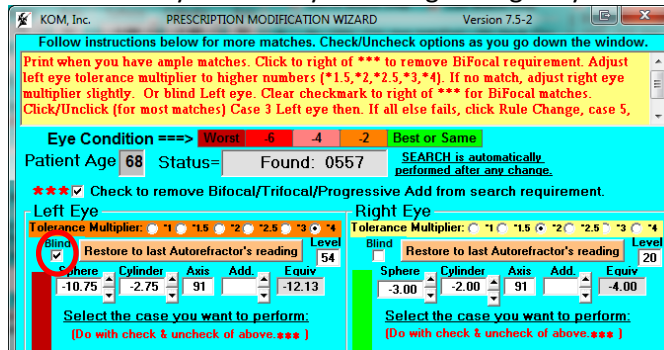
First you do: **Click to right of \*\*\* to remove BiFocal requirement** and it is still the same. No matches.

Next you do: **Adjust left eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4). with \*4 no matches. Then if no match, adjust right eye multiplier slightly** when you select \*2 as shown below but no matches.



Finally do: **Or blind Left eye** and you have 557 matches because you are only matching the right eye.

Exit wizard to view 557 matches showing on main screen.



Ask if left eye blind. May be lazy eye. High Astigmatism both eyes. Nearsighted both eyes. Glasses needed.

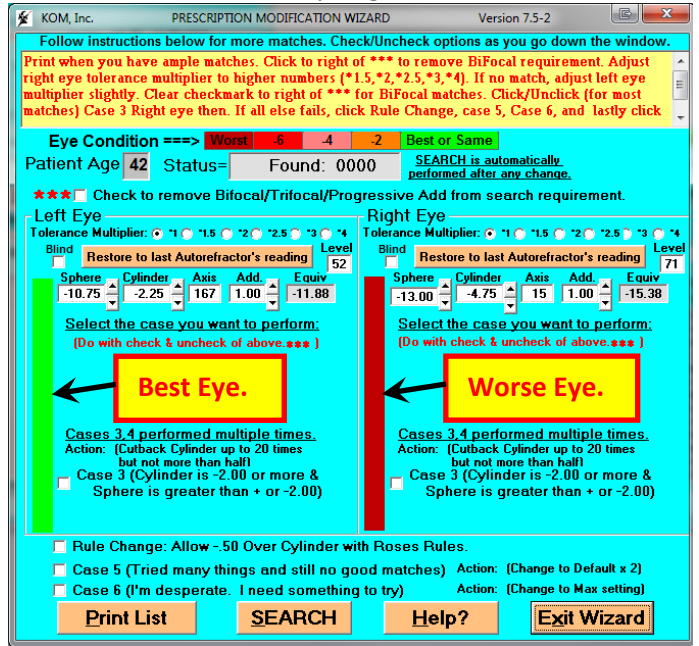
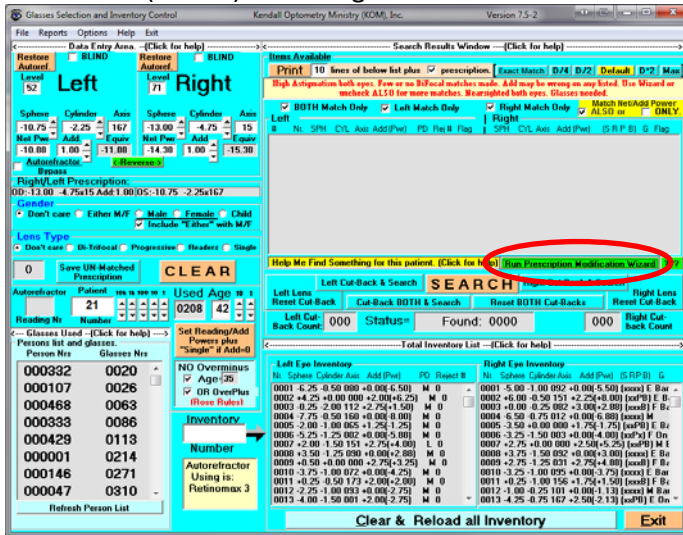
Left	Right	Match Net/Add Power ALSO or ONLY
#	Nr. SPH CYL Axis Add (Pwr) PD Rej# Flag	SPH CYL Axis Add (Pwr) (S R P B) G Flag
1.0 5794	BLIND Eye	-2.75 -1.50 089 0.00(-3.50) (xxxx) E -Mat
1.3 2999	BLIND Eye	-3.00 -1.00 090 2.50(-1.00) (xxx)B E -Mat
1.6 0043	BLIND Eye	-2.50 -1.50 095 0.00(-3.25) (xxxx) F -Mat
1.6 0991	BLIND Eye	-2.25 -1.50 092 0.00(-3.00) (xxxx) F -Mat
1.6 1151	BLIND Eye	-2.00 -1.75 090 2.00(-0.88) (xxxx) M -Mat
1.6 1926	BLIND Eye	-3.00 -1.75 107 0.00(-3.88) (xxxx) E -Mat
1.6 2679	BLIND Eye	-3.00 -1.25 097 0.00(-3.63) (xxxx) M -Mat
1.6 4110	BLIND Eye	-2.25 -1.50 092 3.75(0.75) (xxx)B F -Mat
1.6 5301	BLIND Eye	-3.00 -0.75 090 0.00(-3.38) (xxxx) E -Mat
1.6 6002	BLIND Eye	-2.50 -1.25 092 2.00(-1.13) (xxx)B F -Mat
2.0 0344	BLIND Eye	-2.75 -1.75 109 2.25(-1.38) (xxx)B F -Mat

The left eye is marked **BLIND Eye**. Print out matches, hand the list to glasses fitters and go on to the next patient.

**Example 4. (Extreme near sighted & Astigmatism) 3-22-2014**

Measure the eyes and get the below... No match. Green button (circled) is flashing. Click to start Wizard.

Read the instructions at the top of the wizard window and follow them exactly to get more valid matches.



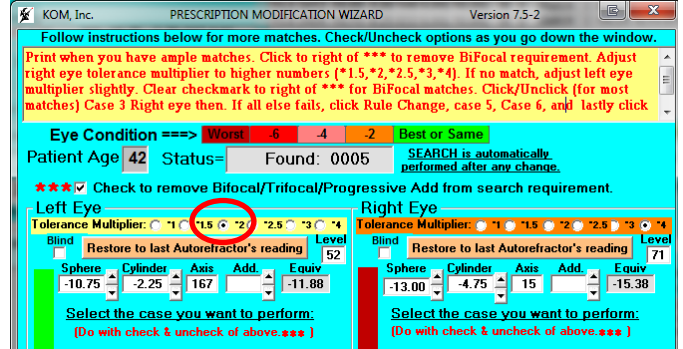
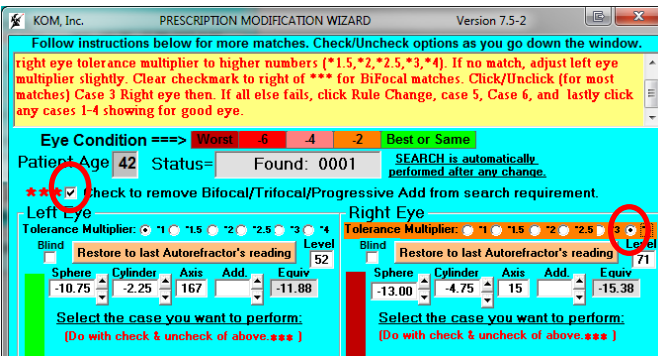
In this example the worst eye has the red bar and the best eye has the green bar. You adjust the tolerance multiplier on the worst eye.

Here is what the instructions look like:

**Print when you have ample matches. Click to right of \*\*\* to remove BiFocal requirement. Adjust right eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4). If no match, adjust left eye multiplier slightly. Clear checkmark to right of \*\*\* for BiFocal matches. Click/Unlick (for most matches) Case 3 Right eye then. If all else fails, click Rule Change, case 5, Case 6, and lastly click any cases 1-4 showing for good eye.**

First do: **Click to right of \*\*\* to remove BiFocal requirement** then **Adjust right eye tolerance multiplier to higher numbers (\*1.5,\*2,\*2.5,\*3,\*4) to \*4** and there is 1 match. Print this match.

Next you do: **If no match, adjust left eye multiplier slightly** by clicking \*2 and you get five matches.



Exit wizard to view 5 matches showing on main screen.

**High Astigmatism both eyes. Nearsighted both eyes. Glasses needed.**

<input checked="" type="checkbox"/> BOTH Match Only		<input checked="" type="checkbox"/> Left Match Only		<input checked="" type="checkbox"/> Right Match Only		<input type="checkbox"/> Match Net/Add Power ALSO or <input type="checkbox"/> ONLY.	
Left				Right			
#	Nr.	SPH	CYL Axis Add (Pwr)	PD	Rej #	Flag	SPH CYL Axis Add (Pwr) (S R P B) G Flag
6.1	6023	-10.75	-1.50 169	1.00(-10.50)	M	0 -Match	-9.00 -1.25 018 1.00(-8.63) (xxPB) E -Ma
7.8	1925	-8.75	-1.75 005	0.00(-9.63)	M	0 -Match	-10.25 -1.50 011 0.00(-11.00) (xxxx) E -Mat
10.1	6856	-10.25	-1.75 005	0.00(-11.13)	M	0 -Match	-10.75 -1.50 169 0.00(-11.50) (xxxx) E -I
15.5	3412	-10.00	-1.00 146	0.00(-10.50)	M	0 -Match	-9.75 -1.50 064 0.00(-10.50) (xxxx) E -M
15.8	2404	-10.75	-0.25 033	0.00(-10.88)	M	0 -Match	-10.25 -0.75 075 0.00(-10.63) (xxxx) E -

Print out these matches, hand the list to the glasses fitters and then go on to the next patient.

### 3.0 Operating with a Reduced Size Inventory file.

If you launch Version 7.5-3 of the Glasses Inventory and select OPTIONS you will see the below window

Program Options Version 7.x.x

Help with this Options Window (Click for help)

#### Set Program Options

- Maximum Sphere Overage allowed to make the list:
- Maximum Cylinder Overage allowed to make the list:
- (+ or -) Axis Deviation allowed to make the list:
- Maximum Allowed Cylinder when NO Patient Astigmatism:
- Minimum Patient Sphere Value when above parameter is met:
- Amount to Cut-Back Cylinder each time:

Exact Match Defaults /4 Defaults /2 Restore Defaults \*2 MAX

#### BiFocal Add Chart

From Age	To Age	Add Value
0	37	0.00
38	43	1.00
44	47	1.50
48	55	2.00
56	99	2.50
100	101	2.50
102	103	2.50
104	105	2.50

#### Change Search Options

Both Eye Options

Match Left Only (BLIND in right eye)  Match Right Only (BLIND in left eye)

Match Both Equally  Match Reading Power also OR  only

NO match on spherical equivalence.  Male & Female searches should include "Either".

#### General Program Options

Set Program diagnostic mode.  Refresh screen upon Add/Remove

Print patient prescription on picklist.  Disable Focometer Support (\*Gone)

Enable Autorefractor Data Capture  Automatic Search when changed.

Enable automatic search when read.  Display Confidence Level.  Print Glasses List Prescriptions.

Enable HOME button (H) on main screen.  Show Correction Intensity Levels for both eyes.

Enable a Journal file on the network.

Highest Allowable Inventory Number:

#### Roses Rules

Enable Roses Rules.  NO Over Cylinder. HELP with Roses Rules

NO Over plus.  No Over Minus if:  or greater

Use Printer:

Up to -.50 Over Cylinder with Roses Rules

Save to File & Continue CONTINUE

#### Select your Autorefractor

Nikon Retinomax or K-Plus  Topcon KR-3000-7000

Retinomax 2 or K-Plus 2  Welch Allyn Suresight

Retinomax 3 or K-Plus 3  Marco Nidek Ark-20/30

Burton Velo 20/10 Ref-Kera  Shin Nippon 8100

Canon RK-2 Auto Ref-Kera  Reichert RKG00 AR/Kera

Humphrey 597  None

#### Comm Port?

1  2  3  4  5

6  7  8  9  10

11  12  13  14  15

16  None

If you have (for example) an inventory of 4000 pairs of glasses and only want to take 2000 pairs with you, change the number circled from 32000 to 2000 and then click the **Save to File & Continue** button. Exit and restart Glasses Inventor and you are now ready. When you want your full inventory file, just change it back to 32000, exit and restart Glasses Inventory and you are back where you were before.

If; however, would like to quickly change back and forth between a full inventory file and a partial inventory file you can put two links to the Glasses Inventory program on your desktop. Do the following steps:

1. Click the **start** button.
2. Click **All Programs**.
3. Click Glasses Inventory folder.
4. Right click the Glasses Inventory Icon and click on COPY.
5. Right click your desktop and click on paste.
6. Right click the newly created icon and click on properties and you will see the graphic to the right.
7. Click in the target field and go to the very end where you see "GLINVENT.exe" and add a space followed by 2000 and you will see the below.  
**"C:\Program Files (x86)\Glasses Inventory\GLINVENT.exe" 2000**
8. Click APPLY and now when you double click this ICON Glasses Inventory will only bring in the first 2000 pairs of glasses.

